TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
Phone No. (512) 322-2212 Fax No. (512) 463-6693

PRODUCT EVALUATION Effective Date: October 1, 2013
DR-643 Reevaluation Date: **March 2016**

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

Series 9050 Terrace Outswing Aluminum Double Door, Impact Resistant, manufactured by

WinDoor Incorporated
7500 Amsterdam Drive
Orlando, Florida 32832
Telephone: (407) 481-8400
www.windoorinc.com

General Description:

System	Description	Label Rating	Design Pressure Rating (psf)
1	Series 9050 Terrace Outswing Aluminum Double Door with Low Profile Sill; XX	CW-PG70 77x120-LW SHD; Low Profile Sill WTP=4.5 psf Missile Level D	± 70
2	Series 9050 Terrace Outswing Aluminum Double Door with Standard Sill; XX	LC-PG70 77x120; Standard Sill WTP=15.0 Missile Level D	± 70

Component Dimensions:

System	Overall Door Size	Maximum Panel Size	Maximum Panel Daylight Opening Size
1	76 ½ " x 120"	Active: 36.46" x 119.034" Inactive: 37.098" x 119.034"	26" x 108.25"
2	76 ½ " x 120"	Active: 36.46" x 119.034" Inactive: 37.098" x 119.034"	26" x 108.25"

Components and Hardware:

System	Component	Quantity	Attachment Method
1&2	Giesse Hinge	3	All hardware and components shall be installed in accordance with WinDoor drawing number 08-01645, sheets 1-11 of 11, Revision A, dated December 14, 2012 revision, 2 signed and sealed by Luis R. Lomas, P.E. on September 17, 2013.
	Hoppe Multi-point Lockset	1	

Product Identification (Certification Agency Label on Door):

System		
1	Certification Agency	Keystone
	Manufacturer's Name or Code Name	WinDoor, Inc. CAR 167-502.0 CAR 167-750.0
	Product Name	9050 Outswing Aluminum Door with Low Profile Sill WTP=4.5 psf
	Test Standards	AAMA/WDMA/CSA 101/IS2/A440-08 ASTM E1886-05 ASTM E1996-05
2	Certification Agency	Keystone
	Manufacturer's Name or Code Name	WinDoor, Inc. CAR 167-501.0 CAR 167-749.0
	Product Name	9050 Outswing Aluminum Door with Standard Sill WTP=15.0
	Test Standards	AAMA/WDMA/CSA 101/IS2/A440-08 ASTM E1886-05 ASTM E1996-05

Impact Resistance:

Impact Resistant	Requirement
Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the **Inland I** and **Seaward zone**. The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

Installation:

System		
1&2	Wall Framing	Wood (Spruce-Pine-Fir); Concrete (minimum compressive strength of 3,192 psi; Masonry (ASTM C-90); Steel (minimum yield strength of 33 ksi, minimum wall thickness 18 gauge) and Aluminum (6063-T5, minimum thickness of $\frac{1}{8}$")
	Fasteners	Wood: No. 14 wood screw; Concrete and Masonry: $\frac{1}{4}$" diameter ITW Tapcon; Steel: #14 self tapping screw
	Fastener Embedment	Wood: Minimum of $1\frac{3}{4}$ inches into the wall framing; Concrete and Masonry: Minimum of $1\frac{1}{4}$ inches into the wall framing; and Steel: Achieve three (3) threads penetration beyond the metal structure.
	Fastener Location/Spacing	The doors shall be installed in accordance with WinDoor drawing number 08-01645, sheets 1-11 of 11, Revision A, dated December 14, 2012 revision, 2 signed and sealed by Luis R. Lomas, P.E. on September 17, 2013.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.